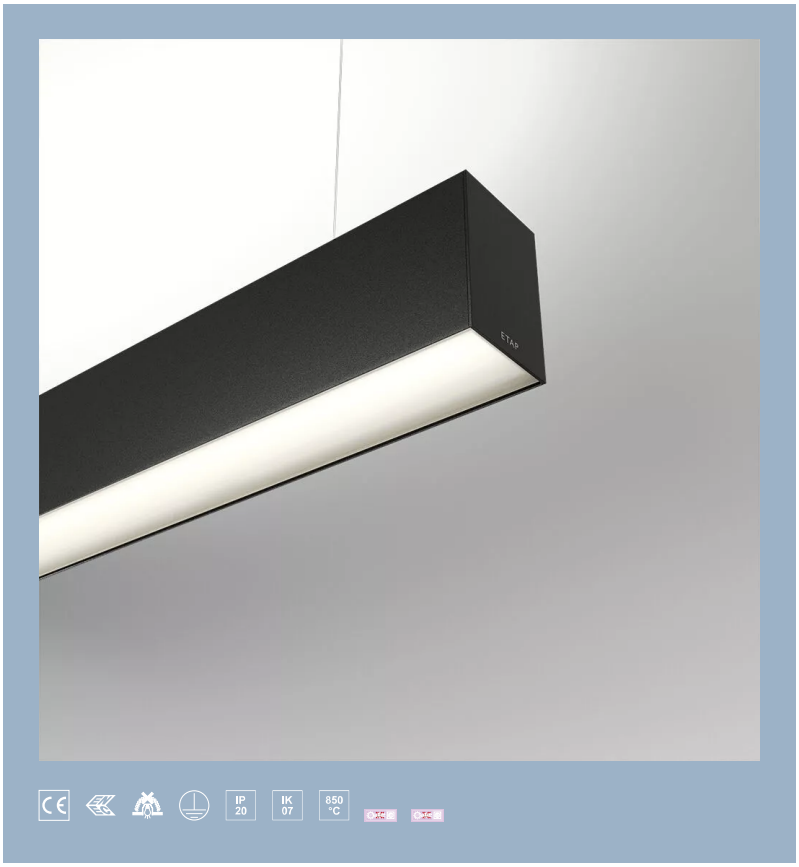
V3SDJ0M/W9LLD0X0



suspended luminaire • linear

Application : Workspaces, Auditoria, General education area’s, General healthcare area’s

housing: lacquered aluminium

light source : LED • 3000 K

optics : diffuser • opal acrylic (PMMA) • wide-angle

UGR classification : <=19

luminous flux: 8800 lm

luminous efficacy : 128 lm/W

Product information

Mechanical properties

dimensions : 2523 mm x 60 mm x 90 mm

colour: RAL9005 - jetblack (textured)

type : individual luminaire

IP: IP20

IK: IK07

Electrical properties

driver: DALI dimmable

power : 68.7 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1 UNLIMITED

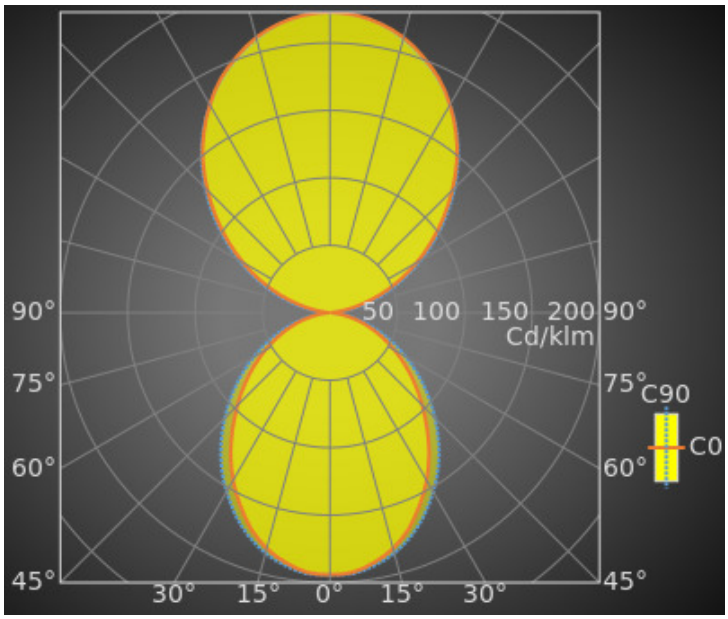
Luminance

luminous flux : 8800 lm

luminous efficacy : 128 lm/W

UGR classification =: <=19

luminous area : 0.15 m²



Average Luminances (Cd/m²) for 8800lm

Gamma	C0	C30	C45	C60	C90
45°	8251	8518	8780	9053	9369
50°	7727	7989	8237	8546	8894
55°	7195	7433	7707	8007	8369
60°	6661	6882	7162	7460	7831
65°	6106	6336	6596	6899	7250
70°	5501	5714	5947	6247	6601
75°	4806	4964	5169	5453	5830
80°	3908	4059	4215	4451	4823
85°	2657	2814	2999	3239	3637

Classifications

CIE: 239 / 374 / 436 / 450 / 1000

CIE FLUXCODE : 0.53 / 0.83 / 0.97 / 0.45 / 1.00

BZ: BZ4/1.25/BZ3/1.5/BZ4

CAE: Symmetrical

DIN: C42 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.45

DIN_SU: Phi su = 0.59

UTE: 0.45 D + 0.55 T

Luminous intensities in cd

Intensity for 8800lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	1708.2	1708.2	1708.2	90°	1.9	2.9	7.6
5°	1699.3	1703.1	1708.7	95°	17.5	26.2	53.4
10°	1655.4	1663.2	1674.1	100°	99.0	124.8	150.2
15°	1590.9	1603.7	1624.1	105°	220.3	247.7	268.7
20°	1501.6	1523.3	1550.1	110°	356.8	384.0	400.9
25°	1385.3	1421.3	1457.0	115°	502.2	529.3	540.5
30°	1263.6	1306.3	1347.7	120°	654.0	677.8	688.7
35°	1129.3	1181.3	1233.4	125°	809.4	832.2	840.8
40°	987.5	1045.5	1104.7	130°	969.0	989.6	995.2
45°	852.8	907.4	968.3	135°	1129.8	1146.7	1152.4
50°	725.9	773.8	835.6	140°	1289.5	1297.3	1302.6
55°	603.2	646.1	701.6	145°	1435.0	1442.8	1443.2
60°	486.8	523.4	572.3	150°	1566.3	1570.1	1564.4
65°	377.2	407.4	447.8	155°	1684.5	1683.7	1672.3
70°	275.0	297.3	330.0	160°	1778.1	1779.1	1764.9
75°	181.8	195.5	220.5	165°	1858.9	1857.7	1842.1
80°	99.2	107.0	122.4	170°	1913.4	1910.2	1912.3
85°	33.8	38.2	46.3	175°	1948.2	1947.2	1946.4
90°	1.9	2.9	7.6	180°	1960.3	1960.3	1960.3

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 8800lm (S = 0.25H)

	Room Reflection Factors (%)									
Ceiling	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor	20	20	20	20	20	20	20	20	20	20
Room Dimensions	**Viewed Crosswise**					**Viewed Endwise**				
X = 2H Y = 2H	15.2	16.1	16.1	17.0	17.9	15.9	16.8	16.9	17.8	18.7
Y = 3H	16.3	17.1	17.2	18.0	18.9	17.1	18.0	18.1	18.9	19.8
Y = 4H	16.6	17.4	17.6	18.4	19.3	17.6	18.3	18.5	19.3	20.2
Y = 6H	16.8	17.5	17.8	18.5	19.4	17.8	18.5	18.8	19.5	20.4
Y = 8H	16.9	17.5	17.8	18.5	19.5	17.9	18.5	18.8	19.5	20.5
Y = 12H	16.8	17.5	17.8	18.5	19.4	17.9	18.5	18.9	19.5	20.4
X = 4H Y = 2H	15.6	16.4	16.6	17.4	18.3	16.2	17.0	17.2	18.0	18.9
Y = 3H	16.9	17.5	17.9	18.5	19.4	17.6	18.2	18.6	19.2	20.2
Y = 4H	17.3	17.9	18.3	18.9	19.9	18.1	18.7	19.1	19.7	20.7
Y = 6H	17.6	18.1	18.6	19.1	20.1	18.5	19.0	19.5	20.0	21.0
Y = 8H	17.7	18.1	18.7	19.1	20.1	18.6	19.0	19.6	20.0	21.0
Y = 12H	17.6	18.0	18.7	19.1	20.1	18.6	19.0	19.6	20.0	21.0
X = 8H Y = 4H	17.4	17.9	18.5	18.9	19.9	18.2	18.6	19.2	19.7	20.7
Y = 6H	17.8	18.2	18.9	19.2	20.3	18.6	19.0	19.7	20.0	21.1
Y = 8H	17.9	18.2	19.0	19.3	20.3	18.7	19.1	19.8	20.1	21.2
Y = 12H	17.9	18.2	19.0	19.3	20.3	18.8	19.1	19.9	20.1	21.2
X = 12H Y = 4H	17.4	17.8	18.4	18.8	19.9	18.1	18.5	19.2	19.6	20.6
Y = 6H	17.8	18.1	18.9	19.2	20.2	18.6	18.9	19.7	20.0	21.0
Y = 8H	17.9	18.2	19.0	19.3	20.3	18.7	19.0	19.8	20.1	21.1
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+0.1		-0.2			+0.1		-0.2		
S = 1.5H	+0.3		-0.5			+0.2		-0.5		
S = 2.0H	+0.5		-0.9			+0.6		-0.8		

Colour properties

Correlated Colour Temperature : 3000

Ra: CRI (Ra) 80

Efficiency

Utilisation Factors according to IES (%)

	Room Reflection Factors (%)									
Ceiling	80	80	80	50	50	50	30	30	30	0
Walls	50	30	10	50	30	10	50	30	10	0
Floor	20	20	20	20	20	20	20	20	20	0
RCR = 1	94	92	90	71	70	69	58	57	56	38
2	83	79	76	63	60	58	51	49	48	33
3	74	68	64	56	52	50	45	43	41	28
4	65	59	55	50	46	43	41	38	35	24
5	58	52	47	45	40	37	37	33	31	21
6	52	45	41	40	36	32	33	30	27	19
7	47	40	35	37	32	28	30	27	24	17
8	43	36	31	33	29	25	28	24	21	15
9	39	32	28	31	26	22	26	22	19	13
10	36	29	25	28	23	20	24	20	17	12

Utilisation Factors according to LiTG (%)

	Room Reflection Factors (%)									
Ceiling	80	80	80	50	50	50	50	50	30	0
Walls	50	30	50	30	50	30	50	30	30	0
Floor	30	30	10	10	30	30	10	10	10	0
k = 0.60	42	34	40	33	33	28	32	27	23	15
0.80	52	44	49	42	41	35	39	34	29	19
1.00	60	51	56	49	47	41	44	39	34	23
1.25	68	60	63	56	53	47	50	45	38	26
1.50	74	66	67	61	57	52	53	49	42	29
2.00	82	75	74	68	62	58	58	55	46	32
2.50	88	81	78	73	67	63	62	59	49	35
3.00	93	86	81	77	70	66	64	61	52	37
4.00	98	92	84	81	73	70	67	65	54	38
5.00	101	97	87	84	75	73	69	67	56	39

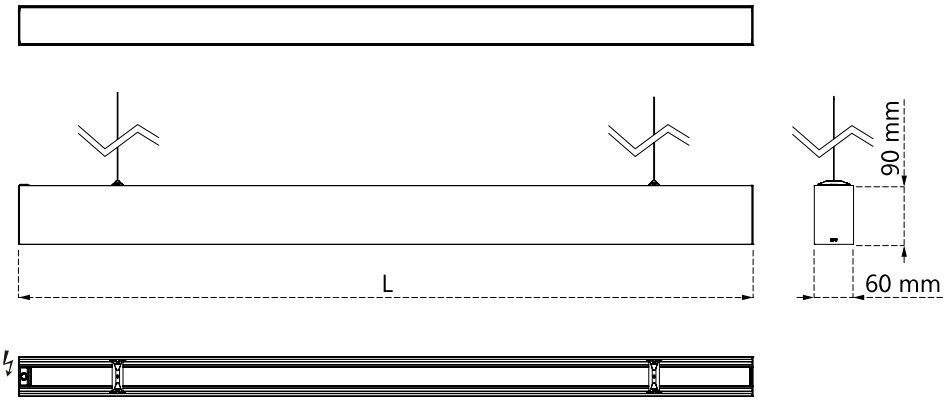
Available accessories

ACC-HI00-X00 *Ceiling cap for suspended luminaires (R7/R3/Ley) - 5 poles terminal block - RAL9005 Jet black*

V3-HI01-5P-1500 *Suspension cables set for Ley individual - to combine with ceiling cap - 5 poles power cable - 2 steel cords - 1 cable holder - max. 1,5m*

V3-HI02-5P-1500 *Suspension cables set for Ley individual - minimalist : no ceiling cap - 5 poles power cable - 2 steel cords - 2 cable holders - max. 1,5m*

Dimensional drawing



CODE	L
V3SD*0*/*3*	843 mm
V3SD*0*/*4*	1123 mm
V3SD*0*/*5*	1403 mm
V3SD*0*/*6*	1683 mm
V3SD*0*/*7*	1963 mm
V3SD*0*/*8*	2243 mm
V3SD*0*/*9*	2523 mm
V3SD*0*/*0*	2803 mm